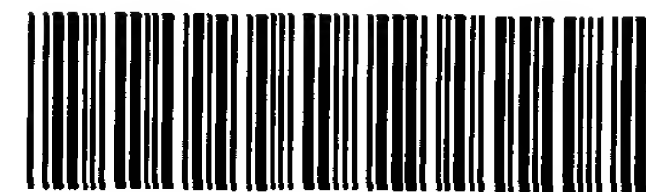


5410

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/807,146

DATE: 08/12/2002

TIME: 15:10:49

Input Set : A:\PTO.VSK.txt

Output Set: N:\CRF4\08122002\I807146.raw

5 <110> APPLICANT: GALLERT, Karl-Christian
7 BENGGS, Holger
9 SIMANDI, Claus
13 <120> TITLE OF INVENTION: Polyglucan And Polyglucan Derivatives Which Can Be Obtained
From
14 Amylosucrase By
15 Biocatalytic Production In The Presence Of Biogenic Substances
19 <130> FILE REFERENCE: 29988/AX98115
23 <140> CURRENT APPLICATION NUMBER: 09/807,146
C--> 25 <141> CURRENT FILING DATE: 2002-08-08
29 <150> PRIOR APPLICATION NUMBER: 19846492.4
31 <151> PRIOR FILING DATE: 1998-10-09
35 <160> NUMBER OF SEQ ID NOS: 1
39 <170> SOFTWARE: PatentIn version 3.0
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45 <211> LENGTH: 636
47 <212> TYPE: PRT
49 <213> ORGANISM: Neisseria polysaccharea
53 <400> SEQUENCE: 1
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56 1 5 10 15
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59 20 25 30
61 Lys Ser Glu Asp Trp Arg Gln Phe Ser Arg Arg Met Asp Thr His Phe
62 35 40 45
64 Pro Lys Leu Met Asn Glu Leu Asp Ser Val Tyr Gly Asn Asn Glu Ala
65 50 55 60
67 Leu Leu Pro Met Leu Glu Met Leu Leu Ala Gln Ala Trp Gln Ser Tyr
68 65 70 75 80
70 Ser Gln Arg Asn Ser Ser Leu Lys Asp Ile Asp Ile Ala Arg Glu Asn
71 85 90 95
73 Asn Pro Asp Trp Ile Leu Ser Asn Lys Gln Val Gly Gly Val Cys Tyr
74 100 105 110
76 Val Asp Leu Phe Ala Gly Asp Leu Lys Gly Leu Lys Asp Lys Ile Pro
77 115 120 125
79 Tyr Phe Gln Glu Leu Gly Leu Thr Tyr Leu His Leu Met Pro Leu Phe
80 130 135 140
82 Lys Cys Pro Glu Gly Lys Ser Asp Gly Gly Tyr Ala Val Ser Ser Tyr
83 145 150 155 160
85 Arg Asp Val Asn Pro Ala Leu Gly Thr Ile Gly Asp Leu Arg Glu Val
86 165 170 175
88 Ile Ala Ala Leu His Glu Ala Gly Ile Ser Ala Val Val Asp Phe Ile
89 180 185 190
91 Phe Asn His Thr Ser Asn Glu His Glu Trp Ala Gln Arg Cys Ala Ala

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TIME: 15:10:50

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Output Set: N:\CRF4\08122002\I807146.raw

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94 Gly Asp Pro Leu Phe Asp Asn Phe Tyr Tyr Ile Phe Pro Asp Arg Arg			
95 210	215	220	
97 Met Pro Asp Gln Tyr Asp Arg Thr Leu Arg Glu Ile Phe Pro Asp Gln			
98 225	230	235	240
100 His Pro Gly Gly Phe Ser Gln Leu Glu Asp Gly Arg Trp Val Trp Thr			
101 245	250	255	
103 Thr Phe Asn Ser Phe Gln Trp Asp Leu Asn Tyr Ser Asn Pro Trp Val			
104 260	265	270	
106 Phe Arg Ala Met Ala Gly Glu Met Leu Phe Leu Ala Asn Leu Gly Val			
107 275	280	285	
109 Asp Ile Leu Arg Met Asp Ala Val Ala Phe Ile Trp Lys Gln Met Gly			
110 290	295	300	
112 Thr Ser Cys Glu Asn Leu Pro Gln Ala His Ala Leu Ile Arg Ala Phe			
113 305	310	315	320
115 Asn Ala Val Met Arg Ile Ala Ala Pro Ala Val Phe Phe Lys Ser Glu			
116 325	330	335	
118 Ala Ile Val His Pro Asp Gln Val Val Gln Tyr Ile Gly Gln Asp Glu			
119 340	345	350	
121 Cys Gln Ile Gly Tyr Asn Pro Leu Gln Met Ala Leu Leu Trp Asn Thr			
122 355	360	365	
124 Leu Ala Thr Arg Glu Val Asn Leu Leu His Gln Ala Leu Thr Tyr Arg			
125 370	375	380	
127 His Asn Leu Pro Glu His Thr Ala Trp Val Asn Tyr Val Arg Ser His			
128 385	390	395	400
130 Asp Asp Ile Gly Trp Thr Phe Ala Asp Glu Asp Ala Ala Tyr Leu Gly			
131 405	410	415	
133 Ile Ser Gly Tyr Asp His Arg Gln Phe Leu Asn Arg Phe Phe Val Asn			
134 420	425	430	
136 Arg Phe Asp Gly Ser Phe Ala Arg Gly Val Pro Phe Gln Tyr Asn Pro			
137 435	440	445	
139 Ser Thr Gly Asp Cys Arg Val Ser Gly Thr Ala Ala Ala Leu Val Gly			
140 450	455	460	
142 Leu Ala Gln Asp Asp Pro His Ala Val Asp Arg Ile Lys Leu Leu Tyr			
143 465	470	475	480
145 Ser Ile Ala Leu Ser Thr Gly Gly Leu Pro Leu Ile Tyr Leu Gly Asp			
146 485	490	495	
148 Glu Val Gly Thr Leu Asn Asp Asp Asp Trp Ser Gln Asp Ser Asn Lys			
149 500	505	510	
151 Ser Asp Asp Ser Arg Trp Ala His Arg Pro Arg Tyr Asn Glu Ala Leu			
152 515	520	525	
154 Tyr Ala Gln Arg Asn Asp Pro Ser Thr Ala Ala Gly Gln Ile Tyr Gln			
155 530	535	540	
157 Gly Leu Arg His Met Ile Ala Val Arg Gln Ser Asn Pro Arg Phe Asp			
158 545	550	555	560
160 Gly Gly Arg Leu Val Thr Phe Asn Thr Asn Asn Lys His Ile Ile Gly			
161 565	570	575	
163 Tyr Ile Arg Asn Asn Ala Leu Leu Ala Phe Gly Asn Phe Ser Glu Tyr			
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170		610					615					620				
172	Leu	Gln	Pro	Tyr	Gln	Val	Met	Trp	Leu	Glu	Ile	Ala				
173	625					630						635				

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/807,146

DATE: 08/12/2002

TIME: 15:10:51

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L:25 M:271 C: Current Filing Date differs, Replaced Current Filing Date